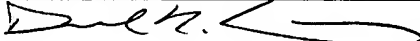


| | | | |
|--|--|---|--|
| UTILITY PATENT APPLICATION TRANSMITTAL | | Attorney Docket No. 032758-5 | |
| | | First Inventor Hahkkyu KIM | |
| | | Title EXPANSION VALVE | |
| (Only for new nonprovisional applications under 37 CFR 1.53(b)) | | Express Mail Label No. | |
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. | | Mail Stop Patent Application Commissioner for Patents ADDRESS TO: P.O. Box 1450 Alexandria, VA 22313-1450 | |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification [Total Pages 22] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 9] 5. Oath or Declaration [Total Pages 1] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies; or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies | |
| ACCOMPANYING APPLICATION PARTS | | | |
| 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee) 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input checked="" type="checkbox"/> Information Disclosure <input checked="" type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) 16. <input type="checkbox"/> Nonpublication request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other: | | | |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ / _____ Prior application information: Examiner _____ Group / Art Unit: _____ | | | |
| For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. | | | |
| 19. CORRESPONDENCE ADDRESS | | | |
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | | 22204 (Insert Customer No. or Attach bar code label here) | |
| | | or <input type="checkbox"/> Correspondence address below | |
| Name _____ | | | |
| Address _____ | | | |
| City _____ | | State _____ | |
| Country _____ | | Zip Code _____ | |
| Telephone _____ | | Fax _____ | |
| Name (Print/Type) Donald R. Studebaker | | Registration No. (Attorney/Agent) 32,815 | |
| Signature  | | Date February 23, 2004 | |

17548 U.S. PTO
10/782819



FEE TRANSMITTAL FOR FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT \$810.00

Complete if Known

Application Number New Application
Filing Date February 23, 2004
First Named Inventor Hahkkyu KIM
Examiner Name
Art Unit
Attorney Docket No. 032758-5

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit
Account
Number

19-2380 (032758-5)

Deposit
Account
Name

Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code | Fee (\$) | Small Entity Fee Code | Fee (\$) | Fee Description | Fee Paid |
|-----------------------------|-------------|-----------------------------|-------------|------------------------|----------|
| 1001 | 770 | 2001 | 385 | Utility filing fee | \$770.00 |
| 1002 | 340 | 2002 | 170 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |

SUBTOTAL (1) \$770.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims 6 -20** = 0 X Fee from below = Fee Paid

Independent Claims 1 -3** = 0 X =

Multiple Dependent X =

| Large Entity Fee Code | Fee (\$) | Small Entity Fee Code | Fee (\$) | Fee Description |
|-----------------------------|-------------|-----------------------------|-------------|--|
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid |
| 1204 | 86 | 2204 | 43 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) \$

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Fee Code | Fee (\$) | Small Entity Fee Code | Fee (\$) | Fee Description |
|-----------------------------|-------------|-----------------------------|-------------|--|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet |
| 1053 | 130 | 1053 | 130 | Non-English specification |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month |
| 1401 | 330 | 2401 | 165 | Notice of Appeal |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal |
| 1403 | 290 | 2403 | 145 | Request for oral hearing |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) |
| 1502 | 480 | 2502 | 240 | Design issue fee |
| 1503 | 640 | 2503 | 320 | Plant issue fee |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \$40.00

SUBMITTED BY

Name (Print/Type) Donald R. Studebaker

Registration No. 32,815
(Attorney/Agent)

Signature

Complete (if applicable)

Telephone (202) 585-8000

Date February 23, 2004